SWETA KUMARI

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**EXPERIENCE (3 years)**

**Microsoft** (*Software Engineer II) – (C#, .NET, Azure).* June 2020 - Present

* Designed and developed data infrastructure, pipeline for telemetry collection and analysis.
* Developed multiple features for Tips App

**Juniper Networks** (*Software Engineer II) – (Python, Docker, Kubernetes, Helm, PromQL).* February 2019 – June 2020

* Designed and developed a network device telemetry project as Kubernetes app
* Developed modules across services and data engineering pipeline.
* Load Tested modules to benchmark performance and removed bottlenecks to reduce memory footprints.
* Worked on gRPC APIs to interface with other applications
* Worked on Kubernetes monitoring support for AppFormix, a monitoring/management product for multi cloud.

**Barclays** ( *Software Engineer) – (Java, Spring, MySQL)* Jul 2015 -Aug 2017

* Worked with Barclays Notification Engine team & received recognition for extraordinary commitment
* Integrated new adapters to lower the cost of customer notifications sent across the bank
* Implemented a two-way SMS service, using which customers can chat with customer care
* Developed a tool to automate build and test in pre-production phase

**SKILLS**

**Languages:** Python, Java

**Frameworks/Tools:** Flask, Kubernetes, Docker, Git, REST, gRPC, scikit-learn, Helm, Grafana, Prometheus, Redis

**EDUCATION**

Stony Brook University, New York - *Master of Science, Computer Science*  Aug 2017 -Dec 2018  
Sharda University, India - *Bachelor of Technology, Computer Science* Aug 2011-May 2015

**PROJECTS**

Document Classifier Engine Python, scikit-learn

* Developed an 8-way document classifier model with accuracy of 91% by using Machine Learning techniques like SVM, Naive Bayes

Solace - a chatbot for people in crisis Flask, Python, IBM Cloud, Javascript, HTML

* Designed a website with inbuilt intelligent chatbot for people with mental health condition.
* Winner at [HackHealth@SBU 2018](https://devpost.com/software/solace) for Best Mental Health hack and Best UI/UX

Salmon Modules for MultiQC Python

* Implemented parser for various modules of Salmon, an open source quantification tool for RNA-seq.
* Integrated with MultiQC, an open source analyzer tool.
* Generated feature specific plots, heatmap for easier comparison between various samples.

State based approach in Spark Streaming for interactive analysis PySpark

* Implemented state-based approach like G-OLA for batch queries on Streaming data interactively which supports SQL queries with aggregate operators like Count, Sum and Average

Los Angeles Payroll Analysis Python

* Worked on statistical analysis and hypothesis testing on LA payroll data of government employees
* Used techniques like T-test, KS test, Wald’s test, Linear Regression